US Army Corps of Engineers®
Engineer Research and Development Center

DOER - Dredging Operations and Environmental Research

Description

The Dredging Operations and Environmental Research (DOER) Program supports the U.S. Army Corps of Engineers Operation and Maintenance Navigation Program. DOER addresses both navigation and environmental concerns with dredging. There are two program monitors – James Walker, US Army Corps of Engineers Headquarters (USACE-HQ), Navigation Business Line Manager, and Joseph R. Wilson, USACE-HQ.

Issue

Research is designed to balance operational and environmental initiatives and to meet complex economic, engineering, and environmental challenges of dredging and disposal in support of the navigation mission. Research results will provide dredging project managers with technology for cost-effective operation, evaluation of risks associated with management alternatives, and environmental compliance.

Products

Numerical models, software tooks and guidance domuments to assess efficient, environmentally sound and cost-effective methods for the dredging, handling, transport and placement of material. DOER also issues technical reports, notes and bulletins as well as research briefs. All are available through the DOER website, http://el.erdc.usace.army.mil/dots/doer/ .

Benefits

Tools and methods developed in this focus area will be used to: 1) reduce cost and time for regulatory compliance and permit approval, 2) improve operations at reduced costs, 3) expand placement options, and 4) assess beneficial uses of dredged material. Given the likelihood that without an expanded pertinent knowledge base dredging costs will continue to escalate, the potential Return on Investment in this research is extremely high.

Point of Contact

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